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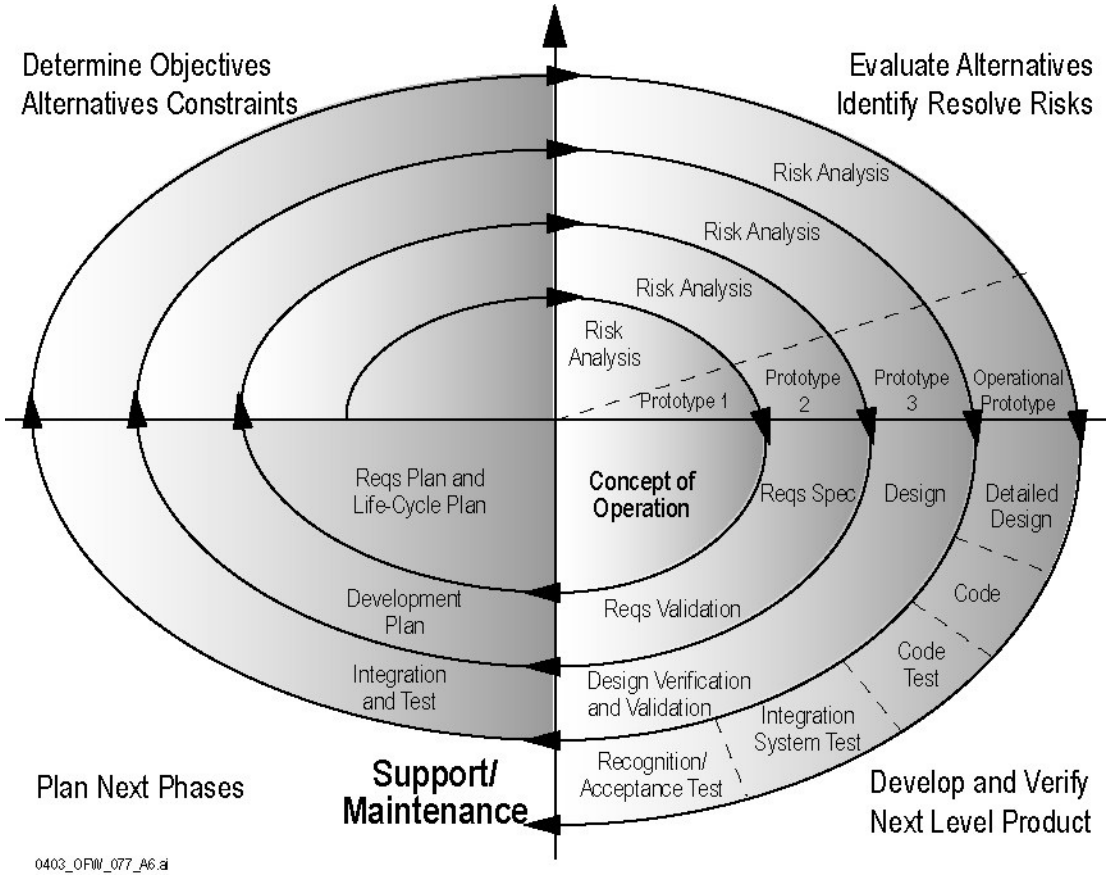
Overview

- Overview
- User Interaction
- Modeling and Simulation
- Trade Studies
- Code Re-Use
- Code Optimization
- Summary

Spiral Model



User Interaction

- User Jury
- MAPEX-I, II, III
- Early User Experiment

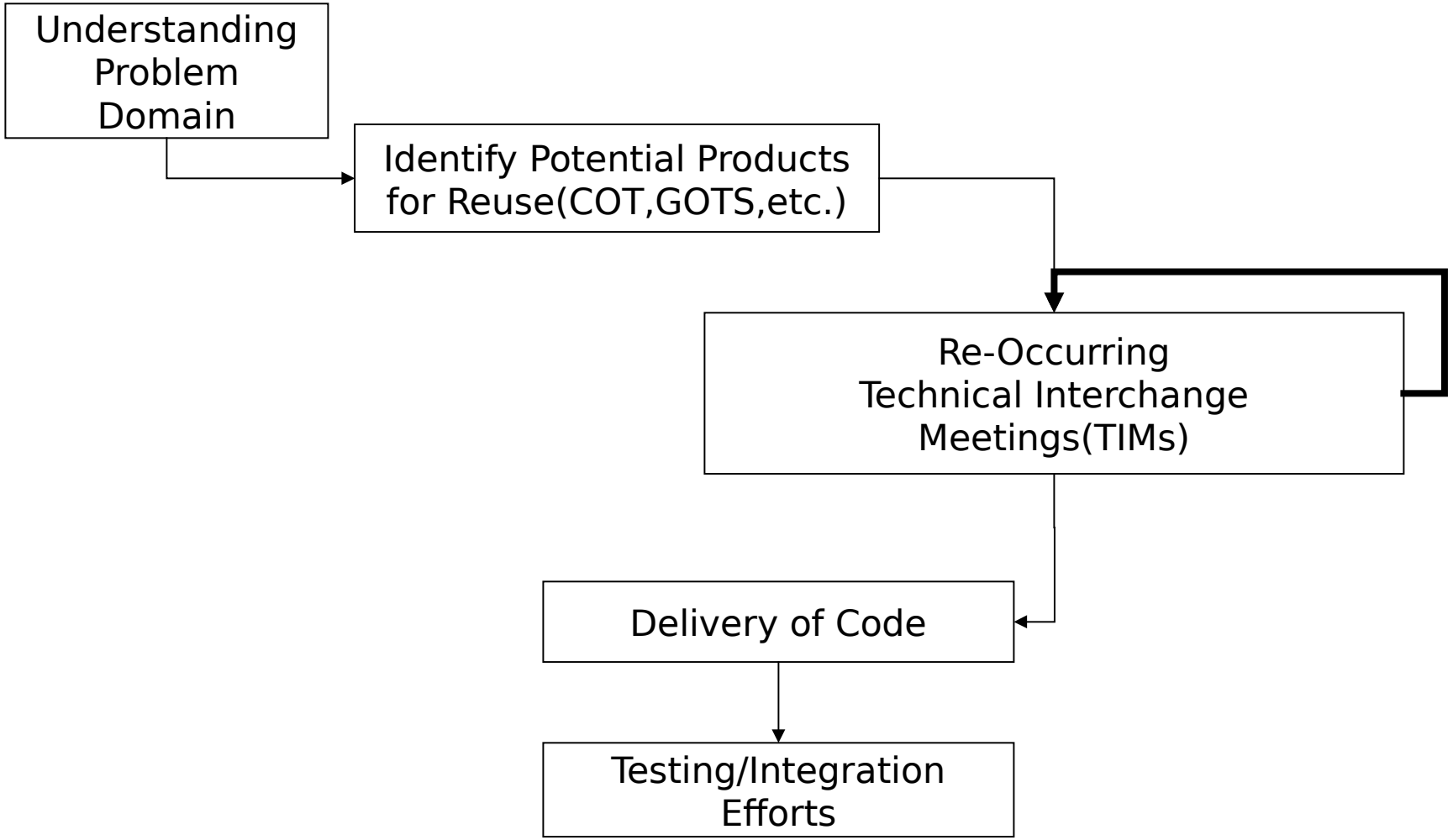
Modeling and Simulation

- MAPEX
  - Urban Vignette (MAPEX II)
  - Jungle Vignette (MAPEX III)
- OPNET Modeling
  - Aid in monitoring the size and weight of messages
- Systems Integration Lab (SIL)
  - Hardware and Software integration testing

Trade Studies

- Trade Study Process
  - Define Objectives and Requirements
  - Assumptions
  - Description of Alternatives
  - Weighted Test Results
  - Conclusions and Recommendations

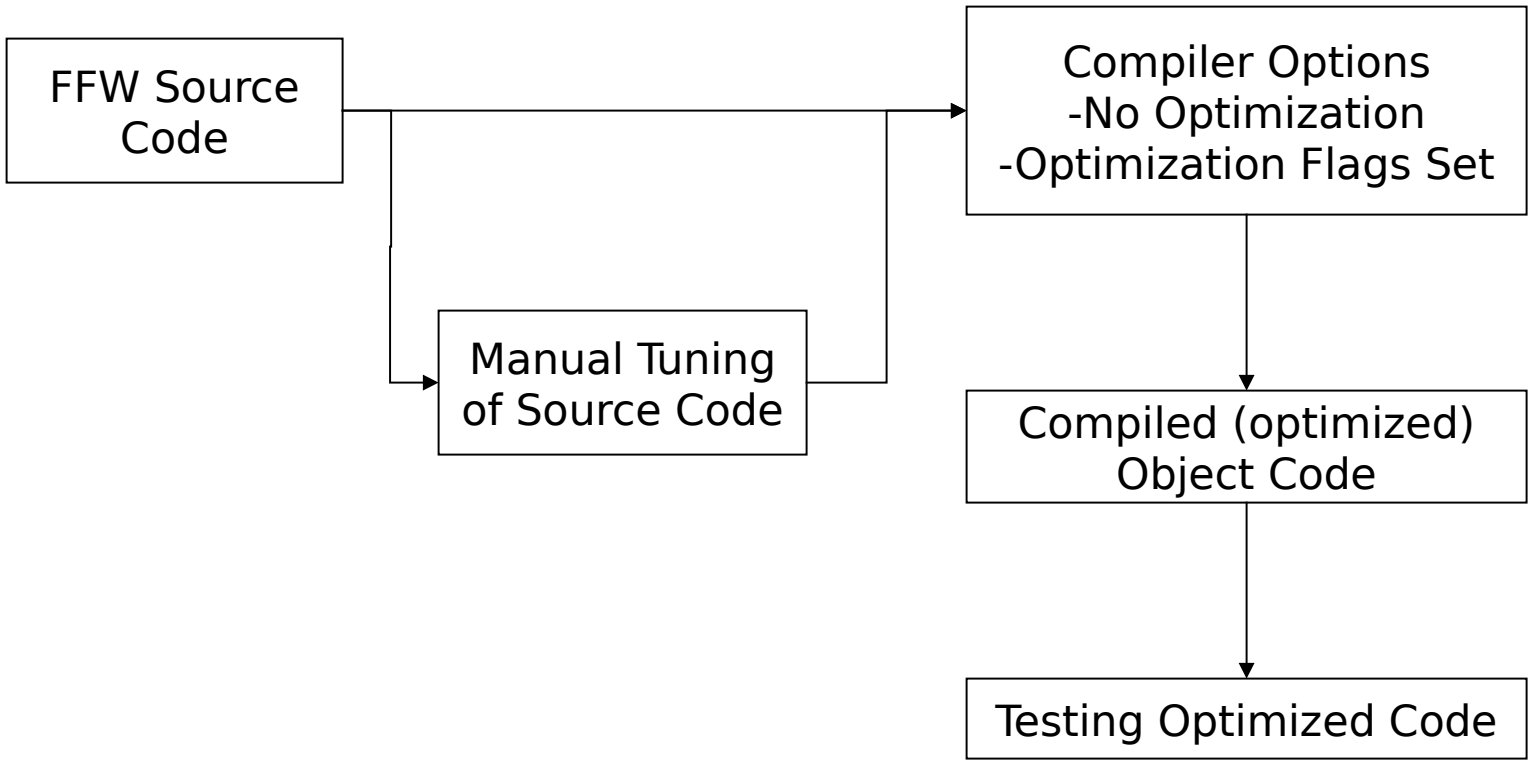
Code Re-use Process



Code Re-Use Process

- Understand Problem Domain
- Identify Potential Re-use Candidates
  - Previous Projects
  - COTS/GOTS Alternatives
- Series of Technical/Programmatic Interchange Meetings
- Delivery of code
- Testing/Integration Efforts

Code Optimization Process



Code Optimization

- FFW Source Code
- Manual –Tuning
- Compiler Options
- Compiled Object Code
- Testing Optimized Code

Conclusions

- The Processes Work for the FFW ATD
- Processes Support the Goal of evaluating and optimizing Size Weight and Power Constraints

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